



US006558513B1

(12) **United States Patent**
Pease et al.

(10) **Patent No.:** US 6,558,513 B1
(45) **Date of Patent:** May 6, 2003

(54) **NON-AQUEOUS RELEASE FROM PAPER
MACHINE EQUIPMENT**

(75) **Inventors:** Jacqueline K. Pease, St. Augustine, FL (US); William A. Hendriks, Jacksonville, FL (US)

(73) **Assignee:** Hercules Incorporated, Wilmington, DE (US)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** 09/866,830

(22) **Filed:** May 29, 2001

(51) **Int. Cl.:** D21H 17/04; D21C 9/08

(52) **U.S. Cl.:** 162/173; 162/199; 106/2

(58) **Field of Search:** 162/173, 199, 162/358.1; 106/2; 427/180, 384

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Primary Examiner—Dean T. Nguyen

(74) Attorney, Agent, or Firm—Gary A. Samuels

(57) **ABSTRACT**

Disclosed is a method of improving the release of paper webs from the surface of press rolls or other paper making or converting equipment by applying to such a surface non-aqueous, non-curing hydrocarbon polymer compositions. The non-curing hydrocarbon polymers have the formula $(CH_3)_3C-[C(R_1)(R_2)-C(R_3)(R_4)-]_n-C(R_5)=C(CH_3)_2$ (I) wherein R_1 through R_5 are hydrogen or $-CH_3$, with at least one of R_1 through R_4 being $-CH_3$, and n is such that the number average molecular weight of such hydrocarbon polymers is from [50] 112 to 3000. They may be hydrogenated. Preferred non-curing hydrocarbon polymers are polybutenes of the formula $(CH_3)_3C-[CH_2-C(CH_3)_2-]_n-CH=C(CH_3)_2$ (II). Preferred compositions comprise at least one such hydrocarbon polymer component having a number average molecular weight from 400 to 700 and a second such component having a number average molecular weight of [100] 112 to 400. The compositions are applied to the equipment surface in the absence of water.

35 Claims, No Drawings